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IET JNL	IET Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IET CNF	IET Conference Proceeding
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☐ 1. **Lane Change Maneuver Detection from Probe Vehicle DGPS Data**
Yiguang Xuan; Coifman, B.;
Intelligent Transportation Systems, 2006. Proceedings. 2006 IEEE
2006 Page(s):624 - 629
Digital Object Identifier 10.1109/ITSC.2006.1706811
Summary: The impact of lane change maneuvers is fundamental to microscop
theory. Due to the difficulty of tracking many vehicles over time and space, mo:
published research in this area seek to find lane change maneuvers visually fr(
AbstractPlus | Full Text: PDF(601 KB)   **IEEE CNF**
Rights and Permissions

☐ 2. **Research on route planning and map-matching in vehicle GPS/dead-reck
map integrated navigation system**
Li Jie; Fu Meng-yin;
Intelligent Transportation Systems, 2003. Proceedings. 2003 IEEE
Volume 2, 12-15 Oct. 2003 Page(s):1639 - 1643 vol.2
Summary: Integrated navigation system is becoming the trend of land vehicle
system. Therefore it has great meaning to study the key technologies involved,
technologies relative to electronic map. Based on these, combining with the pr.
AbstractPlus | Full Text: PDF(362 KB)   **IEEE CNF**
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☐ 3. **Fusion aspects of the rapid route and area mine neutralisation (RRAMNS
system**
Abeynayake, C.; Chant, I.; Kenipinger, S.;
Intelligent Sensors, Sensor Networks and Information Processing Conference,
Proceedings of the 2004
14-17 Dec. 2004 Page(s):189 - 194
Digital Object Identifier 10.1109/ISSNIP.2004.1417460
Summary: Rapid route and area mine neutralisation system (RRAMNS) is a c:
technology demonstrator (CTD) conducted by the Defence Science and Techn
Organisation (DSTO) in Australia and industry partners Tenix Defence Industri·
Electro.....
AbstractPlus | Full Text: PDF(670 KB)   **IEEE CNF**
Rights and Permissions

☐ 4. **Loop gain of a spacecraft switched shunt power system**
Keng Wu;
Aerospace and Electronic Systems, IEEE Transactions on

Volume 30, Issue 4, Oct. 1994 Page(s):1049 - 1053
Digital Object Identifier 10.1109/7.328763
Summary: A novel approach of deriving the loop gain of a spacecraft switchec
system is presented. The system hardware elements contain both the analog a
components. Transfer functions of the analog circuits are easily identified empl

AbstractPlus | Full Text: PDF(396 KB)   **IEEE JNL**
Rights and Permissions

5. **Ensuring GPS navigation integrity using receiver autonomous integrity n**
Michalson, W.R.;
Aerospace and Electronic Systems Magazine, IEEE
Volume 10, Issue 10, Oct. 1995 Page(s):31 - 34
Digital Object Identifier 10.1109/62.469796
Summary: The many advantages of Global Positioning System (GPS) based i
created a tremendous amount of interest in using GPS as the primary navigatic
commercial and civil aircraft. Even in the presence of Selective Availability, the

AbstractPlus | Full Text: PDF(304 KB)   **IEEE JNL**
Rights and Permissions

6. **Passive landing aids for precision EVS approach and landing**
Korn, B.; Doehler, H.-U.;
Digital Avionics Systems Conference, 2003. DASC '03. The 22nd
Volume 2, 12-16 Oct. 2003 Page(s):9.D.1 - 9.1-8 vol.2
Digital Object Identifier 10.1109/DASC.2003.1245916
Summary: ICAO forecasts a growth in world air travel of 5% per annum until 2
recent experience in Europe, this appears likely to be a conservative estimate.
steadily, airport congestion is evident and becomes the limiting factor .....

AbstractPlus | Full Text: PDF(672 KB)   **IEEE CNF**
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Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: JP 2002002240 A

L1: Entry 1 of 3   File: JPAB   Jan 8, 2002

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PUB-NO: JP02002002240A
DOCUMENT-IDENTIFIER: JP 2002002240 A
TITLE: MONITORING DEVICE FOR DRIVING OF VEHICLE
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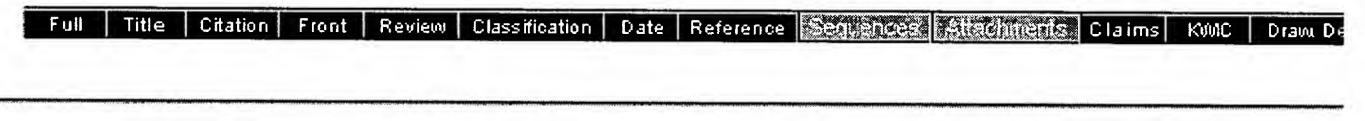
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 2. Document ID: US 6944541 B2, US 20050096844 A1

L1: Entry 2 of 3   File: DWPI   Sep 13, 2005

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DERWENT-ACC-NO: 2005-383145
DERWENT-WEEK: 200560
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TITLE: Processing element for use in navigation system, which initiates fault
detection and isolation procedure to eliminate one or more faulty ranging signals
from use in navigation calculation
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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

☐ 3. Document ID: DE 60214077 T2, US 20020169554 A1, EP 1260831 A1, JP 2002333332 A, US 6785609 B2, EP 1260831 B1, DE 60214077 E

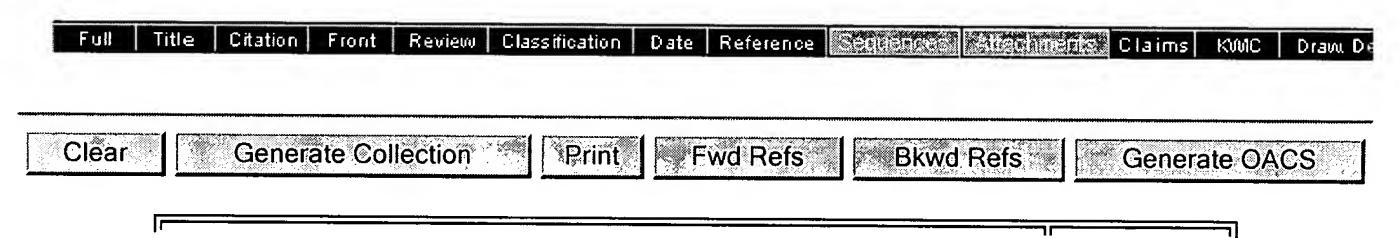L1: Entry 3 of 3   File: DWPI   Feb 1, 2007

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DERWENT-ACC-NO: 2003-209433
DERWENT-WEEK: 200712
COPYRIGHT 2007 DERWENT INFORMATION LTD
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TITLE: Hybrid processing method for on-vehicle navigation system, involves
comparing estimated error of self-contained positioning data with predetermined
threshold value, for calculating current position of moving object
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| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D |

Terms	Documents
gps$ and vehicle and (compar$ with threshold$ with error$)	3

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Search Results - Record(s) 1 through 3 of 3 returned.

☐   1.   Document ID: JP 2002002240 A

L1: Entry 1 of 3   File: JPAB   Jan 8, 2002

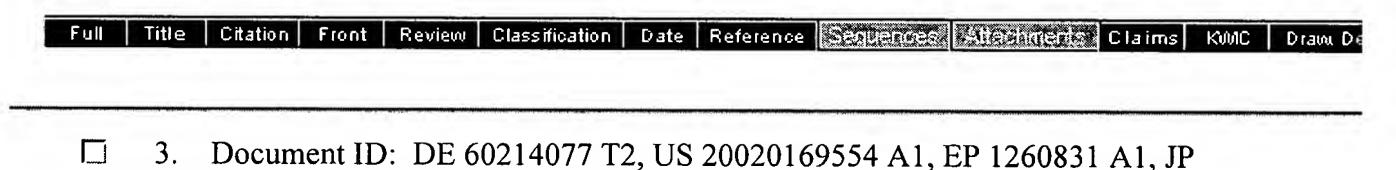PUB-NO: JP02002002240A
DOCUMENT-IDENTIFIER: JP 2002002240 A
TITLE: MONITORING DEVICE FOR DRIVING OF VEHICLE

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐   2.   Document ID: US 6944541 B2, US 20050096844 A1

L1: Entry 2 of 3   File: DWPI   Sep 13, 2005

DERWENT-ACC-NO: 2005-383145
DERWENT-WEEK: 200560
COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Processing element for use in navigation system, which initiates fault
detection and isolation procedure to eliminate one or more faulty ranging signals
from use in navigation calculation

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

☐   3.   Document ID: DE 60214077 T2, US 20020169554 A1, EP 1260831 A1, JP
2002333332 A, US 6785609 B2, EP 1260831 B1, DE 60214077 E

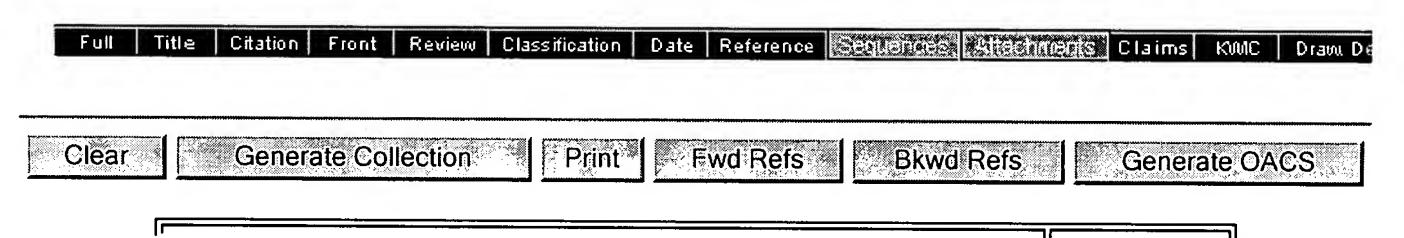L1: Entry 3 of 3   File: DWPI   Feb 1, 2007

DERWENT-ACC-NO: 2003-209433
DERWENT-WEEK: 200712
COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Hybrid processing method for on-vehicle navigation system, involves
comparing estimated error of self-contained positioning data with predetermined
threshold value, for calculating current position of moving object

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw De |

Terms	Documents
gps$ and vehicle and (compar$ with threshold$ with error$)	3

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L3: Entry 1 of 1   File: USPT   Feb 7, 2006

US-PAT-NO: 6996469
DOCUMENT-IDENTIFIER: US 6996469 B2

TITLE: Method of route calculation and method of navigation

DATE-ISSUED: February 7, 2006

PRIOR-PUBLICATION:
DOC-ID   DATE
US 20040021583 A1   February 5, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lau; Stefan	Giesen			DE
Jung; Thomas	Frankfurt			DE
Schmidt; Heinrich	Diekholzen			DE
Hoffmann; Ralf	Hildesheim			DE

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Robert Bosch GmbH	Stuttgart			DE	03

APPL-NO: 10/258337   [PALM]
DATE FILED: April 19, 2001

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	APPL-DATE
DE	100 19 407	April 19, 2000

PCT-DATA:

APPL-NO	DATE-FILED	PUB-NO	PUB-DATE	371-DATE
PCT/DE01/01505	April 19, 2001	WO01/79786	Oct 25, 2001	Jun 9, 2003

INT-CL-ISSUED:

TYPE	IPC	DATE	IPC-OLD
IPCP	G08G1/09	20060101	G08G001/09
IPCS	G01C21/34	20060101	G01C021/34

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	G01 C 21/34	20060101
CIPP	G08 G 1/09	20060101

US-CL-ISSUED: 701/210; 701/205, 701/209, 340/995.21, 340/995.23
US-CL-CURRENT: 701/210; 340/995.21, 340/995.23, 701/205, 701/209

FIELD-OF-CLASSIFICATION-SEARCH: 701/210, 701/205, 701/209, 340/995.21, 340/995.23
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected] [Search ALL] [Clear]

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
☐	5842142	November 1998	Murray et al.	701/16

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
19839193	March 2000	DE	
10089992	April 1998	JP	
11094576	April 1999	JP	
200046573	February 2000	JP	

ART-UNIT: 2144

PRIMARY-EXAMINER: Cuchlinski, Jr.; William A.

ASSISTANT-EXAMINER: Hernandez; Olga

ATTY-AGENT-FIRM: Kenyon & Kenyon

ABSTRACT:

A method of route calculation in an vehicle navigation device is described, whereby a route from a starting location or a current location to a destination location is calculated, so that in the case of a deficiency in the vehicle or a deficiency impairing the driver of the vehicle, the route to an alternate destination location which has facilities for eliminating the deficiency is calculated instead of the original destination location. In addition, a method of navigation of a driver of a vehicle from a starting location to at least one destination location is also described, a trip route from the starting location or a current location to the at least one destination location being determined, and driving instructions being generated as a function of a current location so that in the case of a deficiency in the vehicle or a deficiency impairing the driver of the vehicle, the trip route to an alternate destination location which has the facilities for eliminating the deficiency is calculated.

10 Claims, 3 Drawing figures